

Dimensionless number  
Emissivity  
Evaporation  
Falling films  
Geological heat flow  
Grashof number  
Heat  
Heat balance  
Heat exchanger tubes  
Heat pipes  
Heat shields  
Heat transfer agents  
Lewis number  
Mass transfer  
Thermal conductors  
Thermal insulators  
Thermohydraulics

**Heat transfer agents**  
See also related: *Heat transfer*

**Heat transfer medium**  
See *Heat transfer agents*

**Heat treatment**  
See also narrower:  
Annealing  
Calcination  
Firing (heat treating)  
Quenching (cooling)  
Tempering  
See also related:  
Aging, materials  
Controlled atmospheres  
Cryogenics  
Grain growth  
Grain refinement  
Graphitization  
Hardening (mechanical)  
Hardfacing  
Heating  
Metallurgy  
Quenching materials  
Supercooling  
Supersaturation  
Surface hardening  
Thermal donors

**Heat treatment furnaces**  
Valid heading during volumes 129-130 (July 1998-June 1999) only  
See *Furnaces, heat-treatment*

**Heavenly blue anthocyanin**  
See *1-Benzopyrylium, 5-(β-D-glucopyranosyloxy)-3-[(2-O-(6-O-(2E)-3-[3-(β-D-glucopyranosyloxy)-4-hydroxyphenyl]-1-oxo-2-propenyl]-β-D-glucopyranosyl)-6-O-(2E)-3-[4-[(6-O-(2E)-3-[3-(β-D-glucopyranosyloxy)-4-hydroxyphenyl]-1-oxo-2-propenyl]-β-D-glucopyranosyl)-3-hydroxyphenyl]-1-oxo-2-propenyl]-β-D-glucopyranosyl)-7-hydroxy-2-(4-hydroxy-3-methoxyphenyl)-, chloride [79620-69-2]*

**Heaviside layer**  
See *Ionosphere*

**Heavy atom effect**  
See also related:  
Isotope effect  
Molecular dynamics  
Solvent effect  
Substituent effects  
Triplet state

**Heavy-atom effect**  
See *Heavy atom effect*

**Heavy chains (immunological)**  
See *Immunoglobulins, heavy chains*

**Heavy elements**  
Valid heading during volumes 126-130 (1997-June 1999) only  
See *Elements, heavy*

**Heavy fermion systems**  
See also related:  
Electron gas  
Kondo material  
Magnetic materials  
Magnetism  
Superconductivity  
Superconductors

**Heavy fuel oil**  
Valid heading during volumes 129-130 (July 1998-June 1999) only  
See *Fuel oil, heavy*

**Heavy ion accelerators**  
See also narrower: *Heavy ion colliders*  
See also related:  
Heavy ion beams  
Heavy ions

**Heavy ion beams**  
See also related:  
Heavy ion accelerators  
Heavy ion colliders  
Heavy ions

**Heavy-ion beams**  
See *Heavy ion beams*

**Heavy ion colliders**  
See also related:  
Heavy ion beams  
Heavy ions

**Heavy-ion induced fusion**  
See also related: *Heavy ions*

**Heavy ions**  
See also related:  
Heavy ion accelerators  
Heavy ion beams  
Heavy ion colliders  
Heavy-ion induced fusion  
Nuclear collisions  
Nuclear reactions

**Heavy metal contamination**  
See  
Environmental pollution  
heavy metal  
Heavy metals  
pollution

**Heavy metal pollution**  
Valid heading during volumes 126-130 (1997-June 1999) only  
See  
Environmental pollution  
heavy metal  
Heavy metals  
pollution

1999) only  
See  
Environmental pollution  
heavy metal  
Heavy metals  
pollution

**Heavy metals**  
See also related:  
Environmental pollution  
Health hazard  
Toxicology

**Heavy metal toxicity**  
Valid heading during volumes 126-130 (1997-June 1999) only  
See  
Heavy metals  
toxicity  
Toxicity  
heavy metal

**Heavy petroleum**  
Valid heading during volumes 126-130 (1997-June 1999) only  
See *Petroleum, heavy*

**Heavy spar**  
See *Barite (Ba(SO<sub>4</sub>)) [13462-86-7]*

**Heavy water**  
See such headings as  
Water, heavy [11105-15-0]  
Water-d<sub>2</sub> [7789-20-0]  
Water-t [13670-17-2]

**Hebeclinium**  
See *Eupatorium*

**Hebeclinolide**  
See *2H-Pyran-2-one, 6-(3-furanyl)-5,6-dihydro-3-[2-(2,6,6-trimethyl-4-oxo-2-cyclohexen-1-yl)ethyl]- [63147-18-2]*

**Hebel**  
See *Concrete, lightwt.*

**Hebelomic acid A**  
See *Lanost-8-ene-2,3,12,21,25-pentol, 21,24-epoxy-, 3-acetate 2-[1-hydrogen (2S)-2-hydroxy-2-methylbutanedioate], (2α, 3β,12α,24S)- [123773-80-8]*

**Hebelomic acid B**  
See *Lanost-8-ene-2,3,12,21,25-pentol, 21,24-epoxy-, 3,12-diacetate 2-[1-hydrogen (2S)-2-hydroxy-2-methylbutanedioate], (2α, 3β,12α,24S)- [123746-66-7]*

**Hebelomic acid E**  
See *Lanost-8-ene-2,3,21,25-tetrol, 21,24-epoxy-, 3-acetate 2-[4-hydrogen (2S)-2-hydroxy-2-methylbutanedioate], (2α, 3β,20S,24R)- [167875-43-6]*

**Hebelomic acid F**  
See *Lanost-8-ene-2,3,21,25-tetrol, 21,24-epoxy-, 3,21-diacetate 2-[4-hydrogen (2S)-2-hydroxy-2-methylbutanedioate], (2α, 3β,20S,24R)- [167875-44-7]*

**Hebelomic acid H**  
See *Lanost-8-ene-2,3,12,21,25-pentol, 21,24-epoxy-, 3-acetate 2-[3S)-3-hydroxy-5-[(1S)-1-(methoxycarbonyl)-2-methylpropylamino]-3-methyl-5-oxopentanoate], (2α,3β,12α,24R)- [179730-19-9]*

**Hebelomic acid I**  
See *L-Isoleucine, N-[5-[(2α,3β,12α,24R)-3-(acetyloxy)-21,24-epoxy-12,21,25-trihydroxy-lanost-8-en-2-yl]oxy]-3-hydroxy-1,5-dioxapentyl]-, methyl ester [179730-20-2]*

**Hebelophyllene D**  
See *3H-Cyclobutafinden-3-one, decahydro-5,6a,7-trihydroxy-1,1,2b,6-tetramethyl-, (2aS,2bR, 5R,6R,6aS,7S,7aS)- [221631-91-0]*

**Hebemacrophyllide-17-oic acid**  
See *2-Cyclohexene-1-butanoic acid, α-[3-(3-furanyl)propylidene]-2,6,6-trimethyl-4-oxo-, (αZ,1S)- [139955-84-3]*

**Hebestrol**  
See *26,27-Dinorchol-5-en-3-ol, 23-[(1S,2S)-2-methylcyclopropyl]-, (3β,23R)- [114174-00-4]*

**Hebevinoside I**  
See *β-D-Glucopyranoside, (3β,7β,9β,10α,16β)-7-methoxy-9-methyl-3-(β-D-xylopyranosyloxy)-19-norlanosta-5,24-dien-16-yl, 6-acetate [87396-30-3]*

**Hebevinoside II**  
See *β-D-Glucopyranoside, (3β,7β,9β,10α,16β)-3-[(4-O-acetyl-β-D-xylopyranosyloxy)-7-hydroxy-9-methyl-19-norlanosta-5,24-dien-16-yl, 6-acetate [89456-98-4]*

**Hebevinoside III**  
See *β-D-Glucopyranoside, (3β,7β,9β,10α,16β)-7-hydroxy-9-methyl-3-(β-D-xylopyranosyloxy)-19-norlanosta-5,24-dien-16-yl, 6-acetate [89203-39-4]*

**Hebevinoside IV**  
See *β-D-Xylopyranoside, (3β,7β,9β,10α,16β)-16-hydroxy-7-methoxy-9-methyl-19-norlanosta-5,24-dien-3-yl [101365-06-4]*

**Hebevinoside IX**  
See *β-D-Xylopyranoside, (3β,7β,9β,10α,16β)-7,16-dihydroxy-9-methyl-19-norlanosta-5,24-dien-3-yl [101365-11-1]*

**Hebevinoside V**  
See *β-D-Glucopyranoside, (3β,7β,9β,10α,16β)-3-[(4-O-acetyl-β-D-xylopyranosyloxy)-7-methoxy-9-methyl-19-norlanosta-5,24-dien-16-yl, 6-acetate [101365-07-5]*

**Hebevinoside VI**  
See *β-D-Glucopyranoside, (3β,7β,9β,10α,16β)-7-hydroxy-9-methyl-3-(β-D-xylopyranosyloxy)-19-norlanosta-5,24-dien-16-yl [101365-08-6]*

**Hebevinoside VII**  
See *β-D-Glucopyranoside, (3β,7β,9β,10α,16β)-7-hydroxy-9-methyl-3-(β-D-xylopyranosyloxy)-19-norlanosta-5,24-dien-16-yl, 4,6-diacetate [101770-14-3]*

**Hebevinoside VIII**  
See *β-D-Glucopyranoside, (3β,7β,9β,10α,16β)-3-[(4-O-acetyl-β-D-xylopyranosyloxy)-7-hydroxy-*

*9-methyl-19-norlanosta-5,24-dien-16-yl, 4,6-diacetate [101365-10-0]*

**Hebevinoside X**  
See *β-D-Glucopyranoside, (3β,7β,9β,10α,16β)-7-methoxy-9-methyl-3-(β-D-xylopyranosyloxy)-19-norlanosta-5,24-dien-16-yl [101365-12-2]*

**Hebevinoside XI**  
See *β-D-Glucopyranoside, (3β,7β,9β,10α,16β)-7-methoxy-9-methyl-3-(β-D-xylopyranosyloxy)-19-norlanosta-5,24-dien-16-yl, 4,6-diacetate [101365-13-3]*

**Hebevinoside XII**  
See *β-D-Glucopyranoside, (3β,7β,9β,10α,16β)-7-hydroxy-9-methyl-3-(β-D-xylopyranosyloxy)-19-norlanosta-5,24-dien-16-yl, 4-acetate [138995-51-4]*

**Hebevinoside XIII**  
See *β-D-Glucopyranoside, (3β,7β,9β,10α,16β)-3-[(3,4-di-O-acetyl-β-D-xylopyranosyloxy)-7-hydroxy-9-methyl-19-norlanosta-5,24-dien-16-yl, 4,6-diacetate [138995-52-5]*

**Hebevinoside XIV**  
See *β-D-Glucopyranoside, (3β,7β,9β,10α,16β)-3-[(3,4-di-O-acetyl-β-D-xylopyranosyloxy)-7-hydroxy-9-methyl-19-norlanosta-5,24-dien-16-yl, 6-acetate [138995-53-6]*

**Hebridamine**  
See *1-Phenanthreneethanamine, 7-[4,5-dimethoxy-2-[(1S)-1,2,3,4-tetrahydro-6,7-dimethoxy-2-methyl-1-isoquinolinyl]methyl]phenoxy]-3,4,6-trimethoxy-N,N-dimethyl- [102487-24-1]*

**HEC 10A**  
See *Cellulose, ethers, 2-hydroxyethyl ether [9004-62-0]*

**HEC-A 5-25CF**  
See *Cellulose, ethers, 2-hydroxyethyl ether [9004-62-0]*

**HEC-AH 15**  
See *Cellulose, ethers, 2-hydroxyethyl ether [9004-62-0]*

**HEC-AI 5000**  
See *Cellulose, ethers, 2-hydroxyethyl ether [9004-62-0]*

**Hecameg**  
See *α-D-Glucopyranoside, methyl, 6-(heptylcarbamate) [115457-83-5]*

**Hecate 1**  
See *L-Leucine, L-phenylalanyl-L-alanyl-L-leucyl-L-alanyl-L-leucyl-L-lysyl-L-alanyl-L-leucyl-L-lysyl-L-lysyl-L-lysyl-L-leucyl-L-lysyl-L-leucyl-L-lysyl-L-lysyl-L-alanyl-L-leucyl-L-leucyl-L-lysyl-L-lysyl-L-alanyl- [133084-63-6]*

**HEC-K**  
See *2-Propenoic acid, esters, 1,4-cyclohexanediylbis-(oxy-2,1-ethanediyl) ester [106610-39-3]*

**HECNU**  
See *Urea, N-(2-chloroethyl)-N'-(2-hydroxyethyl)-N-nitroso- [60784-46-5]*

**Hecogenin**  
See *Spirostan-12-one, 3-hydroxy-, (3β,5α,25R)- [467-55-0]*

**HEC-QP 4400**  
See *Cellulose, ethers, 2-hydroxyethyl ether [9004-62-0]*

**HEC-QP 9H**  
See *Cellulose, ethers, 2-hydroxyethyl ether [9004-62-0]*

**HEC-QP 100M**  
See *Cellulose, ethers, 2-hydroxyethyl ether [9004-62-0]*

**HEC-QP 100MH**  
See *Cellulose, ethers, 2-hydroxyethyl ether [9004-62-0]*

**HEC-SE 850**  
See *Cellulose, ethers, 2-hydroxyethyl ether [9004-62-0]*

**HEC-SP 200**  
See *Cellulose, ethers, 2-hydroxyethyl ether [9004-62-0]*

**HEC-SP 400**  
See *Cellulose, ethers, 2-hydroxyethyl ether [9004-62-0]*

**Hectabrite 200**  
See *Hectorite ((Mg<sub>2</sub>.67Li<sub>0.33</sub>)Si<sub>4</sub>Na<sub>0.33</sub>F<sub>0.5-1</sub>(OH)<sub>0-0.5</sub>2O<sub>10</sub>) [12173-47-6]*

**Hectabrite AW**  
See *Hectorite ((Mg<sub>2</sub>.67Li<sub>0.33</sub>)Si<sub>4</sub>Na<sub>0.33</sub>F<sub>0.5-1</sub>(OH)<sub>0-0.5</sub>2O<sub>10</sub>) [12173-47-6]*

**Hectabrite DP**  
See *Hectorite ((Mg<sub>2</sub>.67Li<sub>0.33</sub>)Si<sub>4</sub>Na<sub>0.33</sub>F<sub>0.5-1</sub>(OH)<sub>0-0.5</sub>2O<sub>10</sub>) [12173-47-6]*

**Hectamercurialdrin**  
See *Mercury, (acetato-κO)phenyl-, mixt. with chloroethylmercury and (1α,4α,4aβ,5α,8α,8aβ)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4,5,8-dimethanonaphthalene [39324-68-0]*

**Hecto Blue B**  
See *Methanaminium, N-[4-[(4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, chloride [2580-56-5]*

**Hector's base**  
See *1,2,4-Thiadiazol-3-amine, 4,5-dihydro-5-imino-N,4-diphenyl- [4115-26-8]*

**Hector's dolphin**  
See *Cephalorhynchus hectori*

**Hecubine**  
See *2H-3,13-Methanoxireno[9,10]azacycloundecino-[5,4-b]indole, 13-ethyl-1a,4,5,10,11,12,13,13a-octahydro-10-methyl-, (1aR,13S,13aS)- [62874-52-6]*

**HEC-Unicel**  
See *Cellulose, ethers, 2-hydroxyethyl ether [9004-62-0]*

**HEC-Unicel QP 300H**  
See *Cellulose, ethers, 2-hydroxyethyl ether [9004-62-0]*

**HEC-Unicel QP 4400H**  
See *Cellulose, ethers, 2-hydroxyethyl ether*